

What is claimed is:

1. A combination comprising a plurality of cDNAs that are induced with retinoic acid wherein the cDNAs have the nucleic acid sequences of SEQ ID NOs:1-5 and complements of nucleic acid sequences of SEQ ID NOs:1-5

5 2. An isolated cDNA comprising a nucleic acid sequence selected from SEQ ID NOs:1-5 or the complement thereof.

3. A composition comprising the cDNA of claim 2 and a labeling moiety.

4. A method of using a combination to screen a plurality of molecules and compounds to identify at least one molecule or compound which specifically binds a cDNA of the combination, the method comprising:

10 a) combining the combination of claim 1 with a plurality of molecules and compounds under conditions to allow specific binding; and

b) detecting specific binding, thereby identifying a molecule or compound which specifically binds a cDNA of the combination.

15 5. A method of using a combination to detect the presence of complementary nucleic acids in a sample comprising:

a) hybridizing the combination of claim 1 with the nucleic acids under conditions to allow formation of one or more hybridization complexes;

b) detecting complex formation; wherein complex formation indicates the presence of complementary nucleic acids in the sample.

20 6. The method of claim 5 wherein the nucleic acids are amplified prior to hybridization.

7. The method of claim 5 wherein the sample is from a patient with cancer or a disorder associated with cell differentiation.

8. The method of claim 5 wherein the cDNAs of the combination are attached to a substrate.

25 9. An expression vector comprising a cDNA selected from SEQ ID NOs:1-4.

10. A host cell comprising the expression vector of claim 9.

11. A method for using a host cell to produce a protein, the method comprising:

a) culturing the host cell of claim 10 under conditions for expression of the protein; and

b) recovering the protein from cell culture.

30 12. A purified protein or a portion thereof obtained using the method of claim 11.

13. A composition comprising the protein of claim 12 and a pharmaceutical carrier.

14. A method for using a protein to screen a plurality of molecules to identify at least one ligand which specifically binds the protein, the method comprising:

a) combining the protein of claim 12 with the plurality of molecules under conditions to allow specific binding; and

PB-0017 US

b) detecting specific binding between the protein and ligand, thereby identifying a ligand which specifically binds the polypeptide.

15. A method of using a protein to prepare and purify an antibody comprising:

a) immunizing a animal with a protein of claim 12 under conditions to elicit an antibody response;

5

b) isolating animal antibodies;

c) attaching the protein to a substrate;

d) contacting the substrate with isolated antibodies under conditions to allow specific binding to the protein;

e) dissociating the antibodies from the protein, thereby obtaining purified antibodies.

10

16. An isolated antibody which specifically binds a protein of claim 12.

17. A composition comprising an antibody of claim 16 and a labeling moiety..

18. A method for using an antibody to detect expression in a sample, the method comprising:

a) combining the antibody of claim 16 with a sample under conditions which allow the formation of antibody:protein complexes; and

15

b) detecting complex formation, wherein complex formation indicates expression of the protein in the sample.

19. The method of claim 18 wherein complex formation is compared with standards and is diagnostic of a disorder associated with steroid-responsive tissues or pregnancy.

20. A method for using an antibody to immunopurify a protein comprising:

20

a) attaching the antibody of claim 16 to a substrate;

b) contacting the antibody with solution containing the protein, thereby forming an antibody:protein complex;

c) dissociating the antibody:protein complex; and

d) collecting the purified protein.

25